

Serial No. 10/796,697
Art Unit: 1616

In the Claims:

Please enter the following amended claims in the application. This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Previously presented) A microemulsion composition for use as an adjuvant with agrochemicals, consisting essentially of an oil phase, at least one hydrophilic nonionic emulsifier selected from the group consisting of alkylpolyglycosides, at least one lipophilic co-emulsifier selected from the group consisting of C₈₋₂₂ fatty acid partial esters of polyols having a functionality of 3 to 10, C₈₋₂₂ fatty alcohols and partial ethers of C₈₋₂₂ polyols having a functionality of 3 to 10 and water, wherein, the microemulsion is a liquid at its use temperature.

2. (Previously presented) The composition of claim 1 wherein the oil phase component consists essentially of a fatty acid ester.

3. (Previously presented) The composition of claim 2 wherein the oil phase component consists essentially of at least one member selected from the group consisting of methyl oleate and methyl laurate.

4. (Previously presented) The composition of claim 1 wherein the oil phase component consists essentially of at least one member selected from the group consisting of mineral oils, vegetable oils, paraffinic oils and silicone oils.

5. (Canceled)

6. (Previously presented) The composition of claim 1 wherein the hydrophilic

Serial No. 10/796,697

Art Unit: 1616

emulsifier consists essentially of an alkyl(oligo)glycoside of the formula:



in which R is an alkyl group containing 8 to 22 carbon atoms, Z is a sugar unit containing 5 or 6 carbon atoms and x is a number from 1 to 10.

7. (Previously presented) The composition of claim 1 wherein the lipophilic co-emulsifier consists essentially of at least one member selected from the group consisting of glycerol partial esters and sorbitan partial esters of fatty acids containing 8 to 22 carbon atoms.

8. (Previously presented) The composition of claim 7 wherein the lipophilic co-emulsifier consists essentially of at least one member selected from the group consisting of glycerol monooleate and sorbitan monolaurate.

9. (Original) The composition of claim 1 wherein the ratio by weight of hydrophilic emulsifier to the combined amount of hydrophilic emulsifier and lipophilic co-emulsifier ranges from 0.60 to 0.80.

10. (Previously presented) The composition of claim 1 mixed with an agrochemical comprising at least one member selected from the group consisting of pesticides, herbicides, algicides, fungicides, bactericides, viricides, insecticides, aphicides, miticides, nematocides, molluscicides, plant growth regulators, fertilizers, nutrients, gametocides, defoliants, desiccants, pest repellants, synergists, herbicide safeners, salt additives, preservatives, and mixtures thereof.

11. (Previously presented) The composition of claim 10 wherein the agrochemical comprises a glyphosate herbicide.

Serial No. 10/796,697

Art Unit: 1616

12. (Previously presented) The composition of claim 1 further consisting essentially of an agent selected from the group consisting of antifreeze agents, dyes, thickening agents, antifoam agents and inorganic salts.

13. (Original) A method for treating plants with an agrochemical comprising spraying the agrochemical in combination with the composition of claim 1.

14. (Currently amended) A microemulsion composition for use as an adjuvant in combination with an agrochemical, the microemulsion consisting essentially of:

- (a) from about 5% to about 50% of an oil phase component;
- (b) from about 2% to about 20% of at least one hydrophilic emulsifier selected from the group consisting of alkylpolyglycosides;
- (c) from about 2% to about 15% of at least one lipophilic co-emulsifier selected from the group consisting of C₈₋₂₂ fatty acid partial esters of polyols having a ~~functionality~~ functionality of 3 to 10, C₈₋₂₂ fatty alcohols, and partial ethers of C₈₋₂₂ polyols having a functionality of 3 to 10;
- (d) from about 10% to about 90% water, wherein, the microemulsion is a liquid at its use temperature.

15. (Previously presented) The composition of claim 14 wherein the oil phase component consists essentially of a fatty acid ester.

16. (Previously presented) The composition of claim 15 wherein the oil phase component consists essentially of at least one fatty acid ester selected from the group consisting of methyl oleate and methyl laurate.

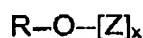
17. (Previously presented) The composition of claim 14 wherein the oil phase component consists essentially of at least one member selected from the group

Serial No. 10/796,697
Art Unit: 1616

consisting of mineral oils, vegetable oils, paraffinic oils and silicone oils.

18. (Canceled)

19. (Previously presented) The composition of claim 14 wherein the hydrophilic emulsifier consists essentially of an alkyl(oligo)glycoside of the formula:



in which R is an alkyl group containing 8 to 22 carbon atoms, Z is a sugar unit containing 5 or 6 carbon atoms and x is a number from 1 to 10.

20. (Previously presented) The composition of claim 14 wherein the lipophilic co-emulsifier consists essentially of at least one member selected from the group consisting of glycerol esters and sorbitan esters of fatty acids containing 8 to 22 carbon atoms.

21. (Previously presented) The composition of claim 20 wherein the lipophilic co-emulsifier consists essentially of at least one member selected from the group consisting of glycerol monooleate and sorbitan monolaurate.

22. (Original) The composition of claim 14 wherein the ratio by weight of hydrophilic emulsifier to the combined amount of hydrophilic emulsifier and lipophilic co-emulsifier ranges from 0.60 to 0.80.

23. (Previously presented) The composition of claim 14 mixed with an agrochemical comprising at least one member selected from the group consisting of pesticides, herbicides, algicides, fungicides, bactericides, viricides, insecticides, aphicides, miticides, nematocides, molluscicides, plant growth regulators, fertilizers and nutrients, gametocides, defoliants, desiccants, pest repellants, synergists, herbicide

Serial No. 10/796,697
Art Unit: 1616

safeners, salt additives, preservatives, and mixtures thereof.

24. (Previously presented) The composition of claim 14 wherein the agrochemical comprises a glyphosate herbicide.

25. (Previously presented) The composition of claim 14 further consisting essentially of an agent selected from the group consisting of antifreeze agents, dyes, thickening agents, antifoam agents and inorganic salts.

26. (Previously presented) A method for treating plants with an agrochemical comprising spraying the plants with the agrochemical in combination with the composition of claim 14.

27. (Previously presented) A method for the production of ready-to-use preparations containing agrochemicals comprising mixing a microemulsion of claim 1 with an agrochemical.

28. (Previously presented) The method of claim 27 wherein the oil phase component consists essentially of a fatty acid ester.

29. (Previously presented) The method of claim 28 wherein the oil phase component consists essentially of at least one member selected from the group consisting of methyl oleate and methyl laurate.

30. (Previously presented) The method of claim 27 wherein the oil phase component consists essentially of at least one member selected from the group consisting of mineral oils, vegetable oils, paraffinic oils and silicone oils.

Serial No. 10/796,697

Art Unit: 1616

31. (Canceled)

32. (Previously presented) The method of claim 27 wherein the hydrophilic emulsifier consists essentially of an alkyl(oligo)glycoside corresponding to the formula:



in which R is an alkyl group containing 8 to 22 carbon atoms, Z is a sugar unit containing 5 or 6 carbon atoms and x is a number from 1 to 10.

33. (Previously presented) The method of claim 27 wherein the lipophilic co-emulsifier consists essentially of at least one member selected from the group consisting of glycerol esters and sorbitan esters of fatty acids containing 6 to 22 carbon atoms.

34. (Previously presented) The method of claim 33 wherein the lipophilic co-emulsifier consists essentially of at least one member selected from the group consisting of glycerol monooleate and sorbitan monolaurate.

35. (Original) The method of claim 27 wherein the ratio by weight of hydrophilic emulsifier to the combined amount of hydrophilic emulsifier and lipophilic co-emulsifier ranges from 0.60 to 0.80.

36. (Previously presented) The method of claim 27 wherein the agrochemical comprises at least one member selected from the group consisting of pesticides, herbicides, algicides, fungicides, bactericides, viricides, insecticides, aphicides, miticides, nematocides, molluscicides, plant growth regulators, fertilizers, nutrients, gametocides, defoliants, desiccants, pest repellants, synergists, herbicide safeners, salt additives, preservatives, and mixtures thereof.

Serial No. 10/796,697

Art Unit: 1616

37. (Original) The method of claim 27 wherein the agrochemical comprises a glyphosate herbicide.

38. (Previously presented) The method of claim 27, wherein the microemulsion further consists essentially of an agent selected from the group consisting of antifreeze agents, dyes, thickening agents, antifoam agents and inorganic salts.

39. (New) The composition of claim 6, wherein, the oil phase consists essentially of methyloleate, and the co-emulsifier consists essentially of glycerol monooleate and optionally, clarifying agents, wetting agents, antifreeze agents, antifoam agents, dyes, preservatives, thickening agents and water soluble alcohols containing from 1 to about 6 carbon atoms, inorganic salts, inorganic acids and organic acids.